

DPW

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/668,909	
	Filing Date	September 23, 2003	
	First Named Inventor	Rune Mittet	
	Art Unit	3663	
	Examiner Name		
Total Number of Pages in This Submission		Attorney Docket Number	PGS-03-03US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	- Cited Reference - Return Postcard	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Petroleum Geo-Services, Inc.		
Signature			
Printed name	E. Eugene Thigpen		
Date	April 22, 2005	Reg. No.	27,400

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	E. Eugene Thigpen	Date	April 22, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Rune Mittet

Serial No. 10/668,909

Filed: September 23, 2003

Title: METHOD FOR SEISMIC  
MIGRATION USING EXPLICIT  
DEPTH EXTRAPOLATION  
OPERATORS WITH  
DYNAMICALLY VARIABLE  
OPERATOR LENGTH

§  
§  
§  
§  
§  
§  
§  
§  
§  
§  
§

Group Art Unit: 3663

Examiner:

Atty Docket No. PGS-03-03US

Mail Stop Amendment

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**Certificate of Mailing for First Class Mail**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop DD, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date indicated below.

*E. Eugene Thigpen*  
E. Eugene Thigpen

Date: April 22, 2005

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

**UNDER 37 CFR § 1.97(b)**

Sir:

The Applicant respectfully submits herewith a Supplemental Information Disclosure Statement citing a copy of reference (B1).

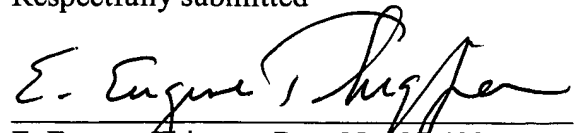
This Information Disclosure Statement is being filed before the mailing of a first Office action on the merits.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. § 1.16 to 1.21 be deemed

necessary for any reason the Commissioner is authorized to deduct the fees from Petroleum Geo-Services, Inc.'s Deposit Account 50-2223.

Respectfully submitted

Date: April 22, 2005

  
E. Eugene Thigpen, Reg. No. 27,400

Petroleum Geo Services, Inc.  
P.O. Box 42805  
Houston, TX 77242-2805  
Direct Dial Telephone: 281-509-8368

Substitute for form 1449A/PTO

Atty. Docket No.

PGS-03-03US

Serial No. 10/668,909

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Page 1 of 2

Applicants

Rune Mittet

Examiner Name

Unknown

Filing Date:

September 23, 2003

Group Art: 3663

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 2

Other Art

See Page 2

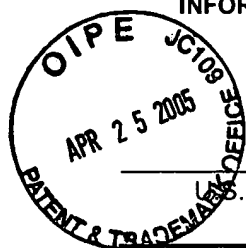
**U.S. Patent Documents**

Exam. Init.	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				
	A2				
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				
	A11				
	A12				
	A13				
	A14				
	A15				
	A16				
	A17				
	A18				
	A19				
	A20				

Examiner:

Date Considered:

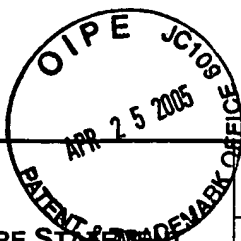
EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Page 2 of 2



Atty. Docket No.

**PGS-03-03US**Serial No. **10/668,909**

Applicants

**Rune Mittet**

Examiner Name

Unknown

Filing Date:

**September 23, 2003**Group Art: **3663**

U.S. Patent Documents

*See Page 1*

Foreign Patent Documents

*See Page 2*

Other Art

*See Page 2***Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	RU 2169381	02/01/2000	Russian Federation			Yes, English Translation Included
	B2						
	B3						
	B4						

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	
	C2	
	C3	
	C4	
	C5	
	C6	
	C7	

**Examiner:****Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.